

For reporting on a volume basis:  $R_v = \rho \times (T_{in} - T_{out}) \times P_{prbc} \times F_{\pi} \times \frac{1}{e}$

For reporting on a mass basis:  $R_m = (T_{in} - T_{out}) \times P_{prbc} \times F_{\pi} \times \frac{1}{e}$